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(71) Applicant: TOSHIBA CORP

(72) Inventor:
INOKOSHI SHIGEKICHI
MOCHIDA HISASHI
IMAJI YOSHIAKI

(54) METHOD OF CONNECTING LEADS OF HYBRID MODULE

(57) Abstract:

PURPOSE: To facilitate operations and to enable the automatic mounting and welding connection by forming a lead drawing pad of a specified metal into a relatively small size and by forming at least its upper surface into a ring form.

CONSTITUTION: A lead drawing pad 2a of a hybrid circuit main body 2 is formed into a disc form having a thickness of 0.3W2mm and a diameter of 1W5mm whose base consists of Fe, Ni or an alloy of them and whose surface is an Ni-group plating layer. The connection of a lead wire 6 to the pad 2a is arranged so that the lead wire 6 is bent horizontally regarding the pad-2a plane and this bent part crosses the pad-2a plane. After that, the end plane of an electrode 7a out of a pair of welding electrodes 7a and 7b is brought into contact with a pad 2a plane at a right angle so as to cross the lead wire 6 in an overlap region plane so that the lead wire 6 crosses the pad 2a plane. Another electrode 7b is brought into contact with other region of the pad 2a plane separately from the electrode 7a. The both are subjected to press and electrical energizing, after

which a necessary welding is made. Thus, the yield can be improved.

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